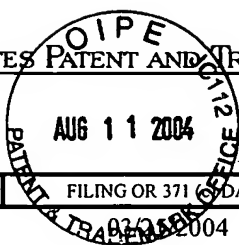




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APPLICATION NUMBER	FILING OR 371 DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/808,698	08/08/2004	Chun Hua Yang	121812.00006

26710
 QUARLES & BRADY LLP
 411 E. WISCONSIN AVENUE
 SUITE 2040
 MILWAUKEE, WI 53202-4497

CONFIRMATION NO. 5893

FORMALITIES LETTER



OC000000012894254

Date Mailed: 06/08/2004

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
 - Numbers, letters, and reference characters on the drawings must measure at least 0.32 cm (1/8 inch) in height. See Figure(s) 1-9.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$130** for a Large Entity


- **\$130** Late oath or declaration Surcharge.

08/12/2004 MAHME1 00000037 170055 10808698
 01 FC:1051 130.00 DA

Replies should be mailed to: Mail Stop Missing Parts

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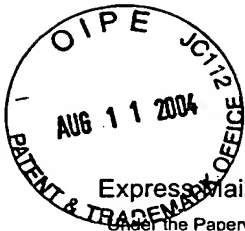
*A copy of this notice **MUST** be returned with the reply.*



Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE



Express Mail No.

PTO/SB/17 (10-03)

Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**FEE TRANSMITTAL
for FY 2004**

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT** (\$) 130.00**Complete if Known**

Application Number	10/808,698
Filing Date	March 25, 2004
First Named Inventor	Chun Hua Yang
Examiner Name	---
Art Unit	2631
Attorney Docket No.	121812.00006

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

17-0055

Quarles & Brady LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	20** =	X	0.00
Independent Claims	3** =	X	0.00
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	130
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 130.00**SUBMITTED BY**

Name (Print/Type)	Michael J. McGovern	Registration No. (Attorney/Agent)	28,326	Telephone	414-277-5725
Signature		Date	August 9, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of Signature and

Deposit: Aug 9, 2004

Michael J. McGovern
Attorney of Record

PATENT

Docket No. 121812.00006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chun Hua Yang
Appl. No.: 10/808,698
Filed: March 25, 2004
For: DIFFERENTIAL DETECTOR
Art Unit: 2631

**SUBMISSION OF DOCUMENTS IN RESPONSE
TO NOTICE TO FILE MISSING PARTS**

Mail Stop MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Notice to File Missing Parts dated June 8, 2004, please find transmitted herewith;

- X a copy of the Notice to File Missing Parts;
- X signed Declaration of the inventors;
- X Recordation Form Cover Sheet w/executed Assignment;
- X Claim to Foreign Priority with a certified copy of Singapore Application No. 200301513-8;
- X Transmittal of Corrected Formal Drawings (6 sheets and
- X a Fee Sheet.

Respectfully submitted,

By: Michael J. McGovern

Michael J. McGovern
Quarles & Brady LLP
411 East Wisconsin Avenue
Milwaukee, WI 53202-4497
(414) 277-5725
Attorney of Record



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Date of Signature
and Deposit:

Aug 9, 2004

[Signature]
Attorney of Record

PATENT

Docket No. 121812.00006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chun Hua Yang
Appl. No: 10/808,698
Filed: March 25, 2004
For: Differential Detector
Art Unit: 2631
Examiner: ---

TRANSMITTAL OF CORRECTED FORMAL DRAWINGS

Mail Stop MISSING PARTS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attention: Official Draftsperson

Sir:

Please find transmitted herewith six (6) sheets of corrected formal drawings including Figs. 1-8.

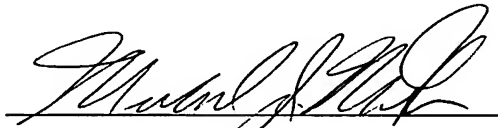
Changes were made in response to the drawing corrections requirement in the Notice to File Missing Parts of Nonprovisional Application dated June 8, 2004. The following changes were made to Figs. 2 and 6 of the drawings:

- 1) The output of the demodulator 231 in Fig. 2 has been changed from y_n to γ_n ;
- 2) The output from the adder 223 in Fig. 6 has been changed from y_n to γ_n ; and
- 3) The divider 613 in Fig. 6 has been changed from y_n/C_n to γ_n/C_n .

Acceptance of these corrected formal drawings is respectfully requested.

Respectfully submitted,

By:

A handwritten signature in dark ink, appearing to read "Michael J. McGovern", written over a horizontal line.

Michael J. McGovern
Quarles and Brady LLP
411 East Wisconsin Ave.
Milwaukee, WI 53202
(414) 277-5725
Attorney of Record